

| Ref # | Hits | Search Query  | DBs                                    | Default Operator | Plurals | Time Stamp       |
|-------|------|---|--|------------------|---------|------------------|
| L1    | 56   | "4180771"   | US-PGPUB;<br>USPAT;<br>EPO             | OR               | ON      | 2006/01/06 17:13 |
| L2    | 26   | (charge with measurement with accumulated) and FET                      | US-PGPUB;<br>USPAT;<br>EPO             | OR               | ON      | 2006/01/06 17:04 |
| L3    | 1    | (charge with measurement with accumulated) and FET and binding          | US-PGPUB;<br>USPAT;<br>EPO             | OR               | ON      | 2006/01/06 17:04 |
| L4    | 22   | (charge with accumulated) and FET and binding                           | US-PGPUB;<br>USPAT;<br>EPO             | OR               | ON      | 2006/01/06 17:14 |
| L5    | 5    | "4180771" and floating  | US-PGPUB;<br>USPAT;<br>EPO             | OR               | ON      | 2006/01/06 17:13 |
| L6    | 74   | floating and FET and binding not @ay>"2001"                             | US-PGPUB;<br>USPAT;<br>EPO             | OR               | ON      | 2006/01/06 17:18 |
| L7    | 167  | passive and FET and binding not @ay>"2001"                              | US-PGPUB;<br>USPAT;<br>EPO             | OR               | ON      | 2006/01/06 17:18 |
| L8    | 24   | passive with detection and FET and binding not @ay>"2001"               | US-PGPUB;<br>USPAT;<br>EPO             | OR               | ON      | 2006/01/06 17:20 |
| L9    | 8    | passive with detection and bauer and binding not @ay>"2001"             | US-PGPUB;<br>USPAT;<br>EPO             | OR               | ON      | 2006/01/06 17:20 |
| S1    | 1348 | immobilize and electrode and protein                                    | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR               | ON      | 2003/11/07 10:57 |
| S2    | 1410 | immobilize and electrode and electrical                                 | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR               | ON      | 2003/11/06 15:13 |
| S3    | 767  | immobilize and electrode and electrical and (polymerization or binding) | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR               | ON      | 2003/11/06 15:32 |
| S4    | 5    | "10040303"  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR               | ON      | 2003/11/06 15:27 |
| S5    | 1203 | immobilize and sensor and electrical and (polymerization or binding)    | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR               | ON      | 2003/11/06 15:34 |

|     |        |  |  |    |    |                  |
|-----|--------|--|--|----|----|------------------|
| S6  | 255911 | immobilize and sensor and (electrical or electrochemical) and (polymerization or binding)  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2003/11/06 15:35 |
| S7  | 225979 | immobilize and sensor and (electrical or electrochemical) and (polymerization or binding) not @ay>"2001"   | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2003/11/06 15:44 |
| S8  | 138525 | immobilize and sensor and (electrical or electrochemical) and binding not @ay>"2001"   | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2003/11/06 15:45 |
| S9  | 87401  | immobilize and sensor and (electrical or electrochemical) and binding and (polypeptide or "nucleic acid" or antibody or ligand or receptor) not @ay>"2001"   | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2003/11/06 16:00 |
| S10 | 69900  | immobilize and sensor and (electrical or electrochemical) and binding and (polypeptide or "nucleic acid" or antibody or ligand or receptor) and (gas or gel or fluid) not @ay>"2001"   | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2003/11/06 16:04 |
| S11 | 7270   | immobilize and sensor and (electrical or electrochemical) and binding and (polypeptide or "nucleic acid" or antibody or ligand or receptor) and (gas or gel or fluid) and electrode not @ay>"2001"                                       | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2003/11/06 16:05 |
| S12 | 2637   | immobilize and sensor and (electrical or electrochemical) and binding and (polypeptide or "nucleic acid" or antibody or ligand or receptor) and (gas or gel or fluid) and ("working electrode" and "reference electrode") not @ay>"2001" | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2003/11/06 16:34 |
| S13 | 71     | immobilize and sensor and electrical and binding and (polypeptide or "nucleic acid" or antibody or ligand or receptor) and (gas or gel or fluid) and ("working electrode" and "reference electrode") not @ay>"2001"                      | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2003/11/07 16:34 |
| S14 | 7      | "5955379"  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2003/11/07 10:58 |

|     |    |  |  |    |    |                  |
|-----|----|--|--|----|----|------------------|
| S15 | 42 | "5192507"  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2003/11/07 15:59 |
| S16 | 2  | immobilize and sensor and electrical and binding and (single near nucleotide near polymorphism) and ("working electrode" and "reference electrode") not @ay>"2001" | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2003/11/07 16:37 |
| S17 | 2  | immobilize and sensor and electrical and binding and (SNP) and ("working electrode" and "reference electrode") not @ay>"2001"                                      | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2003/11/11 06:56 |
| S18 | 3  | immobilize and sensor and electrical and binding and ((measure or measuring) near voltage) and ("working electrode" and "reference electrode") not @ay>"2001"      | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2003/11/11 07:06 |
| S19 | 2  | "20020155476"  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2004/08/04 15:50 |
| S20 | 2  | (DNA near sensor) and (transient near signal)  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2004/08/04 18:51 |
| S21 | 0  | (protein near sensor) and (transient near signal)  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2004/08/04 18:51 |
| S22 | 86 | (protein near sensor) and (transient)  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2004/08/04 19:00 |
| S23 | 52 | (protein near sensor) and (transient) not @ay>"2001"   | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2004/08/04 18:52 |
| S24 | 12 | ("5156810"   "5192416"   "5292423"   "5516644"   "5676820"   "5776672"   "5837859"   "5942103"   "5952172"   "6063259"   "6071699"   "6087100").PN.                | USPAT                                  | OR | ON | 2004/08/04 18:55 |
| S25 | 0  | "6468785".URPN.  | USPAT                                  | OR | ON | 2004/08/04 18:59 |

|     |      |  |  |    |    |                  |
|-----|------|--|--|----|----|------------------|
| S26 | 2304 | electrochemical and protein and sensor not @ay>"2001"  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2004/08/04 19:06 |
| S27 | 1529 | electrochemical and antibody and sensor not @ay>"2001"   | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2004/08/04 19:06 |
| S28 | 388  | electrochemical and antibody and transient and sensor not @ay>"2001"                                     | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2004/08/04 19:07 |
| S29 | 356  | electrochemical and antibody and transient and electrode not @ay>"2001"                                  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2004/08/04 19:08 |
| S30 | 292  | electrochemical and antibody and transient and electrode and voltage not @ay>"2001"                      | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2004/08/04 19:08 |
| S31 | 266  | electrochemical and antibody and transient and electrode and voltage and (gel or gas) not @ay>"2001"     | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2004/08/05 17:51 |
| S32 | 37   | electrochemical and antibody and transient and (working near electrode) not @ay>"2001"                   | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2004/08/04 19:10 |
| S33 | 38   | (voltage or current or impedance) and antibody and transient and (working near electrode) not @ay>"2001" | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2004/08/04 19:11 |
| S34 | 132  | "5120420"  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2004/08/05 10:14 |
| S35 | 402  | voltammetric and electrode and (antibody or antibodies or proteins)                                      | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2004/08/05 13:30 |
| S36 | 322  | voltammetric and electrode and (antibody or antibodies or proteins) not @ay>"2001"                       | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2004/08/05 13:47 |
| S37 | 12   | electrochemical and antibody and transient and electrode and voltage and SNP not @ay>"2001"              | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2004/08/05 17:52 |

|     |     |   |                            |    |    |                  |
|-----|-----|---|----------------------------|----|----|------------------|
| S41 | 884 | passive and biosensor and polymer and (peptide polypeptide nucleic oligonucleotide dna rna)   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2005/03/08 17:09 |
| S42 | 259 | passive and biosensor and polymer and (peptide polypeptide nucleic oligonucleotide dna rna) not @ay>"2000"  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2005/04/04 13:22 |
| S43 | 69  | FRET and biosensor and polymer and (peptide polypeptide nucleic oligonucleotide dna rna) not @ay>"2000"   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2005/03/10 07:46 |
| S44 | 83  | (field near effect near transistor) and biosensor and polymer and (peptide polypeptide nucleic oligonucleotide dna rna) not @ay>"2000"  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2005/04/05 18:09 |
| S45 | 1   | (passive near (detector detection)) and biosensor and polymer and (peptide polypeptide nucleic oligonucleotide dna rna) not @ay>"2000"  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2005/04/05 18:11 |
| S53 | 11  | (field near effect near transistor) and biosensor and polymer and (peptide polypeptide nucleic oligonucleotide dna rna) and (transient decaying transitory) not @ay>"2000"      | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2005/04/13 18:25 |
| S54 | 0   | (passive near (detector detection detect)) and (transient transitory temporary decaying) and electrode and (peptide polypeptide nucleic oligonucleotide dna rna) not @ay>"2000" | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2005/04/05 18:11 |
| S55 | 26  | "3961097"   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2005/04/13 18:02 |
| S57 | 29  | capacitance and biosensor and polymer and (peptide polypeptide nucleic oligonucleotide dna rna) and (transient decaying transitory) not @ay>"2000"                              | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2005/04/13 19:51 |
| S58 | 6   | "5882904"   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2005/04/14 09:29 |
| S59 | 48  | "5187096"   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2005/04/14 10:26 |
| S60 | 512 | passive near detection  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2005/04/14 10:26 |

|     |      |   |                      |    |    |                  |
|-----|------|---|----------------------|----|----|------------------|
| S61 | 12   | (passive near detection) and (nucleic peptide antibody antigen nucleotide dna rna) not @ay>"2001" | US-PGPUB; USPAT; EPO | OR | ON | 2005/04/14 10:46 |
| S62 | 0    | electrostatic near biosensor  | US-PGPUB; USPAT; EPO | OR | ON | 2005/04/14 10:46 |
| S63 | 1468 | electrostatic and biosensor   | US-PGPUB; USPAT; EPO | OR | ON | 2005/04/14 10:46 |
| S64 | 1    | (electrostatic near detection) and biosensor  | US-PGPUB; USPAT; EPO | OR | ON | 2005/04/14 10:46 |
| S65 | 13   | schram and chin   | US-PGPUB; USPAT; EPO | OR | ON | 2005/04/14 11:11 |
| S66 | 0    | 'schram'.in   | US-PGPUB; USPAT; EPO | OR | ON | 2005/04/14 11:11 |
| S67 | 191  | 'schram'.in.  | US-PGPUB; USPAT; EPO | OR | ON | 2005/04/14 11:11 |
| S68 | 0    | 'schram'.in. and chin   | US-PGPUB; USPAT; EPO | OR | ON | 2005/04/14 11:11 |
| S69 | 191  | 'schram'.in.  | US-PGPUB; USPAT; EPO | OR | ON | 2005/04/14 11:12 |
| S73 | 24   | 'schram'.in. and electrode  | US-PGPUB; USPAT; EPO | OR | ON | 2005/04/14 11:13 |
| S74 | 19   | 'chin, christopher'.xa. and electrode   | US-PGPUB; USPAT; EPO | OR | ON | 2005/04/14 11:18 |
| S75 | 12   | 'cozzette'.in.  | US-PGPUB; USPAT; EPO | OR | ON | 2005/04/14 11:33 |
| S76 | 2    | biosensor and (differential near voltage near amplifier)  | US-PGPUB; USPAT; EPO | OR | ON | 2005/04/14 14:37 |
| S77 | 132  | biosensor and oscilloscope  | US-PGPUB; USPAT; EPO | OR | ON | 2005/04/14 14:37 |
| S78 | 81   | biosensor and oscilloscope not @ay>"2001"   | US-PGPUB; USPAT; EPO | OR | ON | 2005/04/14 14:38 |



|     |      |   |                            |    |    |                  |
|-----|------|---|----------------------------|----|----|------------------|
| S80 | 1147 | ((working with electrode) and (reference with electrode)) not potential not @ay>"2001"  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2005/04/14 15:42 |
| S81 | 346  | ((working with electrode) and (reference with electrode)) not (applied potential) not @ay>"2001"                                      | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2005/04/14 15:43 |
| S82 | 14   | ((working with electrode) and (reference with electrode)) not (applied potential) and (peptide dna nucleic protein) not @ay>"2001"    | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2005/04/14 22:47 |
| S83 | 2113 | ccd and sensor and (peptide dna nucleic protein) not @ay>"2001"   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2005/04/14 20:52 |
| S84 | 740  | ccd and sensor and electrode and (peptide dna nucleic protein) not @ay>"2001"   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2005/04/14 20:53 |
| S85 | 628  | ccd and array and sensor and electrode and (peptide dna nucleic protein) not @ay>"2001"   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2005/04/14 20:53 |
| S86 | 133  | "5497772"   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2005/04/18 02:18 |
| S88 | 36   | (inert near electrode) and ((working with electrode) and (reference with electrode)) and (peptide dna nucleic protein) not @ay>"2001" | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2005/04/14 22:47 |
| S89 | 10   | "6100045"   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2005/04/18 02:18 |